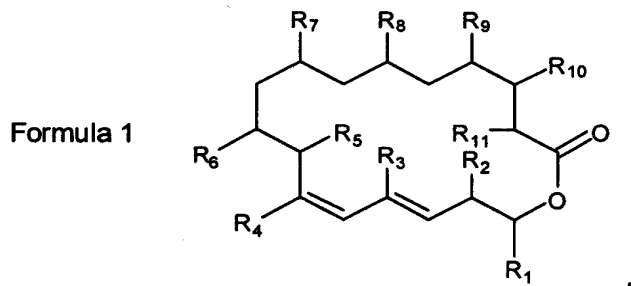


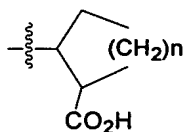
**Amendments to the Claims:**

Claims 1-57 (Cancelled)

Claim 58 (Currently Amended): The compound of claim 75, or a pharmaceutically acceptable salt thereof, said compound having the formula:



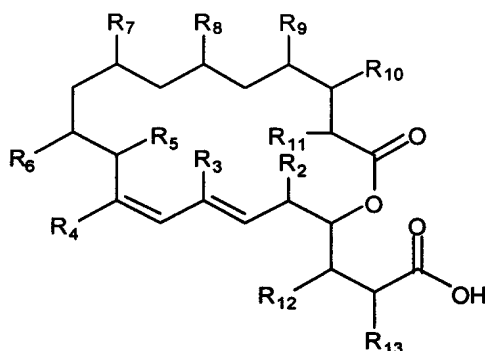
wherein  $R_1$  is a cycloalkyl group of the formula,  $n$  being 1-2



and  $R_1$  can also optionally be substituted with at least one halo atom or at least one  $C_1$  to  $C_3$  alkyl group;  $R_2$ ,  $R_3$ ,  $R_6$ ,  $R_7$ ,  $R_8$ ,  $R_9$ , or  $R_{11}$  are each independently H,  $OCH_3$ ,  $CH_3$  or  $CH_2CH_3$ ;  $R_4$  is CN,  $CO_2H$ , CHO,  $CH_3$ ,  $CONH_2$ ,  $CHNH$ ;  $R_5$ ,  $R_{10}$  are OH; ~~or analogues differing from the corresponding "natural" compound in the oxidation state of one or more of the ketide units,~~ with the proviso that said compounds are not borrelidin ~~(1)~~, 12-desnitrile-12-carboxyl borrelidin ~~(2)~~, 10-desmethyl borrelidin ~~(3)~~, 11-epiborrelidin ~~(4)~~ or C14,C15-cis borrelidin analogue ~~(5)~~ as shown in Figure 1.

Claim 59 (Currently Amended): The compound of claim 75, or a pharmaceutically acceptable salt thereof, said compound having the formula:

Formula 2



wherein R<sub>2</sub>, R<sub>3</sub>, R<sub>6</sub>, R<sub>7</sub>, R<sub>8</sub>, R<sub>9</sub>, or R<sub>11</sub> are each independently H, OCH<sub>3</sub>, CH<sub>3</sub> or CH<sub>2</sub>CH<sub>3</sub>; R<sub>4</sub> is CN, CO<sub>2</sub>H, CHO, CH<sub>3</sub>, CONH<sub>2</sub>, CHNH<sub>2</sub>; R<sub>5</sub>, R<sub>10</sub> are OH; ~~or analogues differing from the corresponding natural compound in the oxidation state of one or more of the ketide units (i.e. selection of alternatives from the group: CO, CH(OH), CH, and CH<sub>2</sub>),~~ and R<sub>12</sub> and R<sub>13</sub> are independently H or a C1-C4 alkyl group which may be optionally substituted with OH, F, Cl, SH, with the proviso that R<sub>12</sub> and R<sub>13</sub> are not simultaneously H.

Claim 60 (Previously Presented): The compound or salt according to claim 75, wherein R<sub>7</sub>, R<sub>8</sub> and R<sub>9</sub> of formulas 1 and 2 are all CH<sub>3</sub>.

Claim 61 (Previously Presented): The compound or salt according to claim 75, wherein R<sub>4</sub> of formulas 1 and 2 is CH<sub>3</sub> or COOH.

Claim 62 (Previously Presented): The compound or salt according to claim 60 wherein R<sub>4</sub> of formulas 1 and 2 is CH<sub>3</sub> or COOH.

Claim 63 (Previously Presented): The compound or salt according to claim 75, wherein R<sub>4</sub> of formulas 1 and 2 is CN.

Claim 64 (Previously Presented): The compound or salt according to claim 60 wherein R<sub>4</sub> of formulas 1 and 2 is CN.

Claim 65 (Previously Presented): The compound or salt according to claim 58 wherein R<sub>1</sub> is cyclobutane-1'-carboxylate.

Claim 66 (Previously Presented): The compound or salt according to claim 60, wherein R<sub>1</sub> of formula 1 is cyclobutane-1'-carboxylate.

Claim 67 (Previously Presented): The compound or salt according to claim 66, wherein R<sub>4</sub> of formulas 1 and 2 is CH<sub>3</sub> or COOH.

Claim 68 (Previously Presented): The compound or salt according to claim 58, wherein R<sub>6</sub>, R<sub>7</sub>, R<sub>8</sub> and R<sub>9</sub> are all CH<sub>3</sub>, R<sub>2</sub> and R<sub>11</sub> are H, R<sub>5</sub> and R<sub>10</sub> are OH, R<sub>4</sub> is either CH<sub>3</sub>, COOH or CN and R<sub>1</sub> is cyclopentane-1'-carboxylate or cyclobutane-1'-carboxylate.

Claim 69 (Previously Presented): The compound or salt according to claim 59, wherein R<sub>12</sub> and R<sub>13</sub> are independently CH<sub>3</sub> or H.

Claim 70 (Previously Presented): The compound or salt according to claim 60, wherein R<sub>12</sub> and R<sub>13</sub> of formula 2 are independently CH<sub>3</sub> or H.

Claim 71 (Previously Presented): The compound or salt according to claim 70, wherein R<sub>4</sub> of formulas 1 and 2 is CH<sub>3</sub> or COOH.

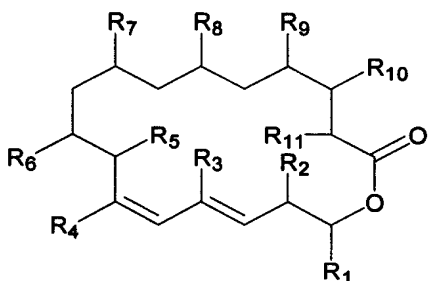
Claim 72 (Previously Presented): The compound or salt according to claim 59 wherein R<sub>6</sub>, R<sub>7</sub>, R<sub>8</sub> and R<sub>9</sub> are all CH<sub>3</sub>, R<sub>2</sub> and R<sub>11</sub> are H, R<sub>5</sub> and R<sub>10</sub> are OH, R<sub>4</sub> is either CH<sub>3</sub>, COOH or CN and R<sub>12</sub> and R<sub>13</sub> are independently CH<sub>3</sub> or H.

Claim 73 (Previously Presented): The compound or salt

according to claim 59 wherein R<sub>6</sub>, R<sub>7</sub>, R<sub>8</sub> and R<sub>9</sub> are all CH<sub>3</sub>, R<sub>2</sub> and R<sub>11</sub> are H, R<sub>5</sub> and R<sub>10</sub> are OH, R<sub>4</sub> is either CH<sub>3</sub>, COOH or CN and R<sub>12</sub> and R<sub>13</sub> are both CH<sub>3</sub>.

Claim 74 (Cancelled)

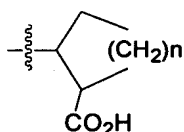
Claim 75 (Currently Amended): A compound, said compound being selected from the group consisting of formula 1,



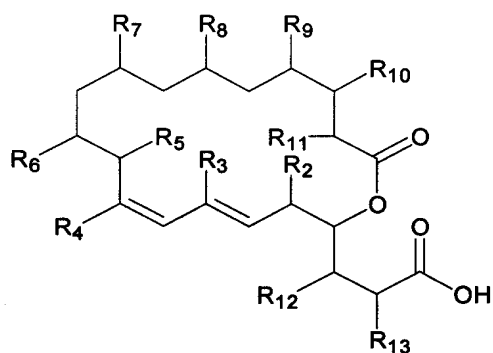
, and pharmaceutically acceptable salts

thereof, wherein

R<sub>1</sub> is a cycloalkyl group of the formula, n being 1- 2,



and R<sub>1</sub> can also optionally be substituted with at least one halo atoms or at least one C<sub>1</sub> to C<sub>3</sub> alkyl groups; R<sub>2</sub>, R<sub>3</sub>, R<sub>6</sub>, R<sub>7</sub>, R<sub>8</sub>, R<sub>9</sub>, or R<sub>11</sub> are each independently H, OCH<sub>3</sub>, CH<sub>3</sub> or CH<sub>2</sub>CH<sub>3</sub>; R<sub>4</sub> is CN, CO<sub>2</sub>H, CHO, CH<sub>3</sub>, CONH<sub>2</sub>, CHNH; R<sub>5</sub>, R<sub>10</sub> are OH; ~~or analogues differing from the corresponding "natural" compound in the oxidation state of one or more of the ketide units (i.e. selection of alternatives from the group: CO, CH(OH), CH, and CH<sub>2</sub>),~~ with the proviso that said compounds are not borrelidin ~~(1)~~, 12-desnitrile-12-carboxyl borrelidin ~~(2)~~, 10-desmethyl borrelidin ~~(3)~~, 11-epiborrelidin ~~(4)~~ or C14,C15-cis borrelidin analogue ~~(5)~~ as shown in Figure



±; and formula 2

, wherein  
 $R_2$ ,  $R_3$ ,  $R_6$ ,  $R_7$ ,  $R_8$ ,  $R_9$ , or  $R_{11}$  are each independently H,  $OCH_3$ ,  $CH_3$  or  $CH_2CH_3$ ;  $R_4$  is CN,  $CO_2H$ , CHO,  $CH_3$ ,  $CONH_2$ ,  $CHNH_2$ ;  $R_5$ ,  $R_{10}$  are OH; ~~or analogues differing from the corresponding natural compound in the oxidation state of one or more of the ketide units,~~ and  $R_{12}$  and  $R_{13}$  are independently H or a C1-C4 alkyl group which may be optionally substituted with OH, F, Cl, SH, with the proviso that  $R_{12}$  and  $R_{13}$  are not simultaneously H.

Claims 76-95 (Cancelled)